



# Certificate of Analysis

Number: 2500-24010031-007A

Greeley Laboratory  
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Unit 6-8  
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4301 Industrial Parkway  
Evans, CO 80620

Jan. 08, 2024

Station Name: NPF 21-24-22 HC GPM  
Station Number: 68004616  
Station Location: NPF K-22 Pad  
Sample Point: Meter Tube Run  
Analyzed: 01/05/2024 15:25:06 by VRM

Sampled By: Russ Fox  
Sample Of: Gas Spot  
Sample Date: 12/12/2023 09:40  
Sample Conditions: 114.95 psig, @ 49.26 °F  
Method: GPA-2261M  
Cylinder No: 1818

## Analytical Data

Components	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0002	NIL		GPM TOTAL C2+ 7.526
Nitrogen	0.3995	0.485		GPM TOTAL C3+ 3.629
Carbon Dioxide	2.4519	4.673		GPM TOTAL iC5+ 0.489
Methane	70.5173	48.989		
Ethane	14.5109	18.895	3.897	
Propane	7.6316	14.573	2.111	
Iso-butane	0.8741	2.200	0.287	
n-Butane	2.3429	5.897	0.742	
Iso-pentane	0.4232	1.322	0.155	
n-Pentane	0.5030	1.572	0.183	
Hexanes Plus	0.3454	1.394	0.151	
	100.0000	100.000	7.526	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8005	3.2176
Calculated Molecular Weight	23.09	93.19
Compressibility Factor	0.9957	
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft<sup>3</sup> @ 14.73 psia &amp; 60°F</b>		
Real Gas Dry BTU	1330	5141
Water Sat. Gas Base BTU	1307	5052
<b>Comments:</b> H2S Field Content 1.50 ppm		

*Ryleigh Jacobs*

Data reviewed by: Ryleigh Jacobs, Laboratory Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.